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INDEX TO AMERICAN MYCOLOGICAL LITERATURE

This index is prepared by Dr. B. O. Dodge, of Columbia University, and covers the same scope for the fungi as that covered by the general index published monthly in the Bulletin of the Torrey Botanical Club. It is not reprinted on cards for distribution.

Bachmann, F. M. A new type of spermogonium and fertilization in *Collema*. Ann. Bot. **26**: 747-760. pl. 69. Jl 1912.

Banker, H. J. Type studies in the *Hydnaceae*—I. The genus *Manina*. Mycologia **4**: 271-278. 28 Au 1912.
Three new combinations are made.

Brown, P. E., & Smith, R. E. Bacterial activities in frozen soils. Centralb. Bakt. Zweite Abt. **34**: 369-385. 20 Jl 1912.

Brown, P. E. Bacteriological studies of field soils. I. The effects of liming. Centralb. Bakt. Zweite Abt. **35**: 234-248. 16 S 1912. II. The effects of continuous cropping and various rotations. Centralb. Bakt. Zweite Abt. **35**: 248-272. 16 S 1912.

Coons, G. H. Some investigations of the cedar rust fungus. *Gymnosporangium juniperi-virginianae*. Ann. Rept. Agr. Exp. Sta. Univ. Nebraska **25**: 217-242. pl. 1-3. 1912.

Crabill, C. H. Results of pure culture studies on *Phyllosticta pirina* Sacc. Science II. **36**: 155-157. 2 Au 1912.

Cunningham, G. C. The comparative susceptibility of cruciferous plants to *Plasmodiophora brassicae*. Phytopathology **2**: 138-142. Au 1912.

Essed, E. Cacao canker. West Ind. Bull. **12**: 302-308. 1912.

Fawcett, G. L. Report of the pathologist. Ann. Rep. Porto Rico Agr. Exp. Sta. **1911**: 37-39. 3 S 1912.
Includes notes on plant diseases, soil biology, and royal-palm root nodules.

Fawcett, H. S. Citrus scab (*Cladosporium Citri* Massee). Univ. Florida Agr. Exp. Sta. Bull. **109**: 51-60. f. 24-31. My 1912.
Includes short account of the history of the scab, the fungus in cultures, germination of spores, infection experiments and preventive measures.

Fink, B. A college course in plant pathology. *Phytopathology* 2: 150-152. Au 1912.

Gee, W. P., & Massey, A. B. *Aspergillus* infecting *Malacosoma* at high temperatures. *Mycologia* 4: 279-281. f. 1. 28 Au 1912.

Glaser, R. W., & Chapman, J. W. Studies on the wilt disease, or "flacheria" of the gypsy moth. *Science* II. 36: 219-224. 16 Au 1912.
Disease attributed to *Gyrococcus flaccidifex* gen. et sp. nov.

Güssow, H. T. The nature of parasitic fungi. Their influence upon the host plant. *Gard. Chron.* 51: 183. 23 Mr 1912; 198. 30 Mr 1912; 215, 216. 6 Ap. 1912.

Harding, H. A. The trend of investigation in plant pathology. *Phytopathology* 2: 161-163. Au 1912.

Hastings, E. G. A method for the preservation of plate cultures for museum and demonstration purposes. *Centralb. Bakt. Zweite Abt.* 34: 432-434. pl. 1-3. 20 Jl 1912. [Illust.]

Hedgcock, G. G. A *Cronartium* associated with *Peridermium filamentosum* Peck. *Phytopathology* 2: 176, 177. Au 1912.

Hedges, F., & Tenny, L. S. A knot of citrus trees caused by *Sphaeropsis tumefaciens*. *U. S. Dept. Agr. Plant Ind. Bull.* 247: 5-74. pl. 1-9 + f. 1-8. 17 Au 1912.

Herre, A. W. C. T. New or rare California lichens. *Bryologist* 15: 81-87. S 1912.
Includes *Trimmatothelium umbellulariae*, *Heppia alumenensis* and *Legania shastensis* spp. nov.

Hoffman, C. A contribution to the subject of soil bacteriological analytical methods. *Centralb. Bakt. Zweite Abt.* 34: 385-388. 20 Jl 1912.

Hori, S. A new leaf rust of peach. *Phytopathology* 2: 143-145. pl. 13, 14. Au 1912.
Puccinia pruni-persicae sp. nov.

Jensen, C. N. Fungus flora of the soil. *Cornell Univ. Agr. Exp. Sta. Bull.* 315: 415-501. f. 100-134. Je 1912.

Johnson, J. C. The morphology and reactions of *Bacillus megatherium*. *Centralb. Bakt. Zweite Abt.* 35: 209-222. f. 1-3. 16 S 1912.

Jones, L. R. Potato diseases in Wisconsin and their control. Univ. Wisconsin Agr. Exp. Sta. Circ. 36: 1-10. Je 1912.

Jones, L. R., Giddings, N. J., & Lutman, B. F. Investigations of the potato fungus *Phytophthora infestans*. U. S. Dept. Agr. Plant Ind. Bull. 245: 5-100. pl. 1-10 + f. 1-10. 10 Au 1912.

Lloyd, C. G. Index of the mycological writings of C. G. Lloyd, vol. III., 1909-1912. 1-16. Cincinnati. 1912.

Long, W. H. Notes on three species of rust on *Andropogon*. *Phytopathology* 2: 164-171. Au 1912.
Describes culture experiments with *Puccinia ellisiana* Thuem, *Uromyces andropogonis* Tracy, and *Puccinia violae* (Schum.) D. C.

Long, W. H. Two new species of rust. *Mycologia* 4: 282-284.
Tricella acuminata gen. et sp. nov. and *Peridermium inconspicuum* sp. nov. 28 Au 1912.

Metcalf, H. Diseases of the chestnut and other trees. *Trans. Massachusetts Hort. Soc.* 1912: 69-90. 1912.

Morse, W. J. Does the potato scab organism survive passage through the digestive tract of domestic animals? *Phytopathology* 2: 146-149. pl. 15. Au 1912.
Concludes that the germs are able to pass the digestive tract of both the horse and the cow without being destroyed.

Murrill, W. A. The *Agaricaceae* of the Pacific Coast—II. *Mycologia* 4: 231-262. 28 Au 1912.
New species are described in *Lepiota* (15), *Venenarius* (3), *Crepidotus* (1), *Pluteolus* (2), *Gymnopilus* (14), *Pholiota* (4), and *Hypodendrum* (1).

Murrill, W. A. The McClatchie Herbarium. *Jour. N. Y. Bot. Gard.* 13: 147, 148. S 1912.

O'Gara, P. J. *Urophlyctis alfalfa*, a fungus disease of alfalfa occurring in Oregon. *Science* II. 36: 487, 488. 11 O 1912.

Patouillard, N. Quelques champignons du Costa Rica. *Bull. Soc. Myc. France* 28: 140-143. 15 Jl 1912.
Six new species and two new varieties described.

Peck, C. H. Report of state botanist, 1911. N. Y. State Mus. *Bull.* 157: 5-139. pl. 124-130 + pl. VII, VIII. 1 Mr 1912.
Includes the New York species of *Clitocybe*, *Laccaria* and *Psilocybe*. Thirty-eight new species of fungi are described.

Reddick, D. Field laboratory equipment. *Phytopathology* 2: 172-174. Au 1912.

Rehm, H. Ascomycetes novi. Ann. Myc. 10: 389-397. 10 Au 1912.

Includes a new species in *Mycobilimbia*, *Melanconiella*, and *Fabraea* from America.

Rehm, H. Ascomycetes exs. Fasc. 50. Ann. Myc. 10: 353-358. 10 Au 1912.

Includes notes on *Valsa etherialis* E. & E., *Diaporthe ostryigena* Ellis & Dearness, *D. tuberculosa* (Ellis) Sacc., *Valsaria exasperans* var. *Aceris* Rehm, and descriptions of *Leptosphaeria punctillum*, and *L. associata* Rehm.

Schock, O. D. Fighting the chestnut tree blight. Am. Forest. 18: 575-579. S 1912. [Illust.]

Seaver, F. J., & Clark, E. D. Biochemical studies on soils subjected to dry heat. Biochem. Bull. 1: 413-427. pl. 7. Mr. 1912.

Also includes information on the growth of fungi as affected by heat.

Smith, E. F. *Bacillus coli*, a cause of plant disease. Phytopathology 2: 175, 176. Au 1912.

A note explaining priority of publication on the subject.

Smith, E. F. Bacterial mulberry blight. Phytopathology 2: 175. Au 1912.

Discusses the use of the name *Bacterium mori*.

South, F. W. Fungus diseases of cacao. West Ind. Bull. 12: 277-302. 1912.

Includes popular descriptions of the diseases and a list of species with their common names.

Speare, A. T. Notes on Hawaiian fungi. I. *Gibellula suffulta* n. sp. Phytopathology 2: 135-137. pl. 12. Au 1912.

Stevens, N. E. *Polystictus versicolor* as a wound parasite of catalpa. Mycologia 4: 263-270. pl. 74, 75. 28 Au 1912.

Stout, A. B. A fungous infection of the ear. Jour. N. Y. Bot. Gard. 13: 126, 127. [S] 1912.

Aspergillus nigricans Cooke.

Sydow, H. & P. Novae fungorum species—VIII. Ann. Myc. 10: 405-410. 10 Au 1912. [Illust.]

Includes *Cronartium egenulum* from Brazil.

Taubenhaus, J. J. A further study of some *Gleosporiums* and their relation to a sweet pea disease. Phytopathology 2: 153-160. f. 1 + pl. 16. Au 1912.

Thaxter, R. Preliminary descriptions of new species of *Rickia* and *Trenomyces*. Proc. Am. Acad. Arts & Sci. 48: 365-386. S 1912.

Includes eighteen new species of *Rickia* and four of *Trenomyces*.

Thaxter, R. New or critical *Laboulbeniales* from Argentine. Proc. Am. Acad. Arts & Sci. 48: 155-223. S 1912.

Includes nine new genera and sixty-five new species.

Webster, H. S. Grape culture in Pennsylvania. Dept. Agr. Pennsylvania Bull. 217: 9-66. f. 1-52. 1912.

Includes a chapter on fungus diseases of grapes.

Whetzel, H. H. A destructive disease of peonies. Florists' Exchange 34: 565, 566. f. 1-4. 14 S 1912.

Discusses the economic importance, symptoms, and control of the "American Botrytis blight of the peony."

Wolf, F. A. The perfect stage of *Actinonema rosae*. Bot. Gaz. 54: 218-234. pl. 13. 21 S 1912.

Includes *Diplocarpon* gen. nov.

Wolf, F. A., & Lloyd, F. E. Oedema on manihot. Phytopathology 2: 131-134. pl. 11 + f. 1. Au 1912.

Zahlbrückner, A. Neue Flechten—VI. Ann. Myc. 10: 359-384. 10 Au 1912.

Includes *Dermatocarpon heppioides*, *Mycoporellum californicum*, *Opegrapha Hassei*, *Lecidea Hassei*, *Caloplaca Felipponei*, and *Sticta Pöchi* spp. nov. from America.